ITRONIX®

TECHNICAL NOTE	Number	520
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TITLE:	Recharging an FC486 backup battery after long term storage.
ABSTRACT:	Charging of FC486 units after prolonged periods away from an external supply.

After storing an FC486 for periods in excess of 27 days, all internal power supplies will be exhausted and a specific charging regime must be implemented before returning the unit to field use.

Apart from the main Duracell DR30 NiMH battery, the backup battery provides reserve power to some essential components such as the CMOS clock.This battery recieves a trickle charge whenever the unit is operational and normally requires no maintenance consideration form the user. The following steps should be considered to prepare the FC-486 for recharging the backup battery:

1. On power up, the FC486 should be charged from a mains supply. Depending on the length of time in isolation this can take up to 100 hours before the trickle charge will bring the backup battery to the normal full capacity. It is imperative that the FC486 remain connected to the mains until the procedure outlined in this Technical Note is completed.

2. While powered up, go into the FC-486 Configuration Application by typing:

UTIL ENTER

3. Select the ‘UNIT CONFIGURATION’ option.

4. Alter the ‘SYSTEM TIMEOUT’ parameter to read ‘NO MINUTES’

The unit can then be left connected to the supply, without powering off, for the necessary time period.

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